VODOLAZSKAYA, I.U.

Poultry as an important source of increased neat production.
Ptitsevodstvo 9 no.7:20-21 Jl '59. (MIAA 12:10)

1. Sekretar' Novo-Astrakhanskogo raykoma Kommunisticheskoy partii Ukrainy, Luganskoy oblasti.
(Novaya Astrakhan District-Poultry)

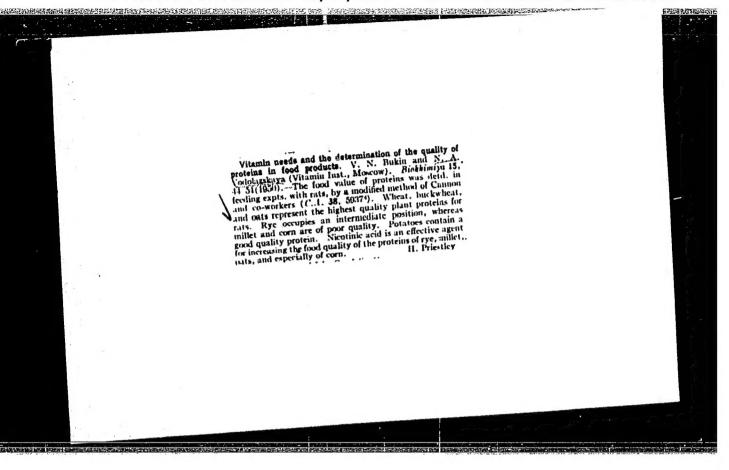
VODOLAZSKAYA, L.A.: MOLCHADSKIY, M.T.

Accumulation of raffinose in raffinade wash sirups.

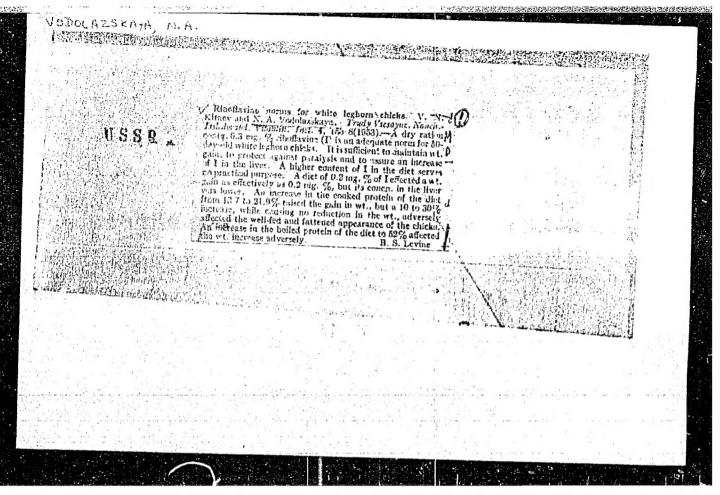
prom. 34 no.1:19-21 Ja '60. (MIRA 13:5)

1. Odesskiy rafinadnyy savod.
(Sugar manufacture) (Raffinose)

VODOLAZSKIY, L. A.: Master Biol Sci (diss) -- "Problems of the methods of recording electromyograms and electrocardiograms of the worker during work in production". Moscow, 1959. 10 pp (Acad Med Sci USSR, Inst of Labor Hygiene and Occupational Diseases), 200 copies (KL, No 15, 1959, 115)



VODOL	AZSK	AYA, N.	Α.		
		A hiological method for the de K. L. Povelotskaya and N. Vressyaz. Nauch-Irstedealet. (1953). cf. C.A. 49, 19570g.—C. g. cach) of mixed sexes were led free diet: ribeflavine-free casein flower-seed oil 8%: fish oil 2%; mixt. 4%, and 50 y of mixt. of the pantothenate. When symptoms sis appeared, the administration c flavine was initiated. The min. per day. Bioassay results with vitamins proved their identity.	A Votobassigga, Trody Printing, Ind. 4, 131-7 10003 of young rate (30-10) the following ribofavinc, 25%; starch 01%; sun- Osborne and Mendel salt iamine, pyridoxine, and Ca of ribofavine avitamino- ti increasing doses of ribo-	O	



Themical and microbiological determina in of thoflavino to plant material, K. L. Povolotsicyn and N.

A. Vodolandsona, Yvely Viceoyas, Mank, Intelection,

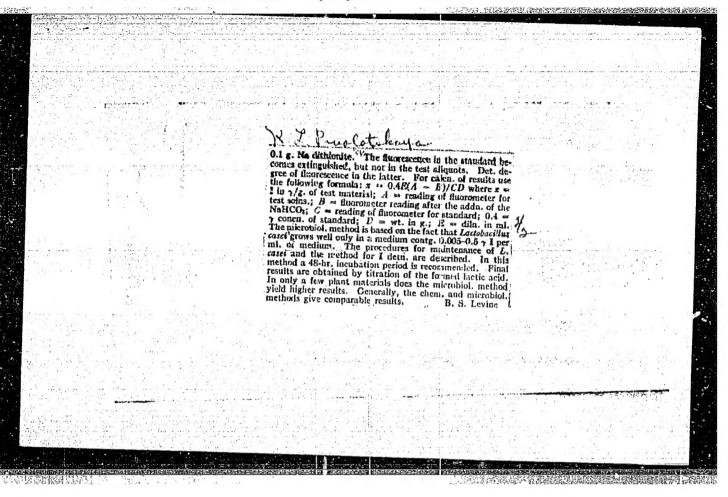
Intelection, A. Vodolandsona, Mank, Intelection,

Intelection, Intelection of the plant unaterial with clarace or

polymase is an essential step intribudavine (f) deta. Penicil
linas was equally saidactory. Trentent of the material

with Khiffol, is of value but in eccess it causes partial de
company of the victoria. An excess of 140, in the chaination

of the company of the compa



NIKOLAYEV, R.P.; POVOLOTSKAYA, K.L.; VODOLAZSKAYA, N.A.

Biological value of different concentrates and preparations of vitamin (CA 47 no.17:8855 '53) (MLRA 6:4)

1. Vitamin Inst., Moscow.

KIBSANOVA, V.A.; VODOLAZSKAYA, N.A.

Studying the effect of the folic acid antagonist 4-aminoptercyl-aminoadipic acid on the development of transplanted leukosis in mice. Vop.onk. 1 ho.4:59-64 155. (MIRA 10:1)

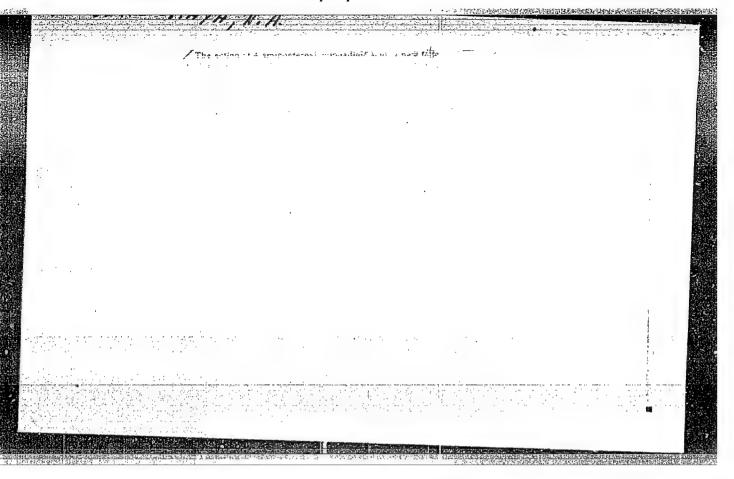
1. Iz laboratorii eksperimental'noy khimioterapii (zav. chlen-korr. AHN SSSR prof. L.F.Iariemov) i laboratorii biokhimii Instituta eksperimental'noy patologii i terapii raka AMN SSSR (dir. - chlen-korr. AMN SSSR prof. N.N.Blokhin) Adres avtorov: Moskva, 3-ya Meshchanskaya ul., d.61/2, korp. 9. Institut eksperimental'noy patologii i terapii raka.

(FOLIC ACID ANTAGONISTS, effects,

4-aminopteroylaminoadepic acid, on exper. leukemia)

(INUKEMIA, experimental,

eff. of 4-aminopteroylaminoadipic acid)



VODOLAZSKAYA, N.A.

Antitumor action of some derivatives of sarcolysine and closely related compounds. Vop.onk. 7 no.5:77-84 '61. (MIRA 15:1)

1. Iz laboratorii eksperimental'noy khimioterapii (zav. - chl.-korr. AMN SSSR L.F. Larionov) Instituta kesperimental'noy i klinicheskoy onkologii AMN SSSR (dir. - deystv. chl. AMN SSSR N.N. Elokhin).

(SARCOLYSINE)

(CYTOTOXIC DRUGS)

USSR/General Problems of Pathology - Experimental Therapy.

U-3

Abs Jour

: Ref Zhur - Biol., No 16, 1958, 75497

Author

: Vodolazskaya, N.A., Novikova, M.A., Shkodinskaya, Ye.N.,

Vasina, O.S., Berlin, A.Ya., Larionov, L.F.

Inst

:

Title

: On the Antineoplasmic Activity of Some Sarcolysine Deriva-

tives (dl-n-gu-(2-chloroethyl)-aninophenylalomine.

Orig Pub

: Byul. cksperim. biol. i med., 1957, 44, No 11, 76-81

Abstract

Toxic and antineoplasmic action (on sarcoma of 45 rats) of 4 sarcolysine derivatives was studied: Ethyl-(I) and isopropyl (II) ethers of dl-sarcolysine, dl-N-formylsarcolyzine (III) and dl-N-acetylsarcolysine (IV). It was demonstrated that I and II are very similar to sarcolysine in toxicity and antineoplasmic activity. III and IV are less toxic and their antineoplasmic action is weaker. In order to obtain an effect close to that of sarcolysine,

Card 1/2

USSR/General Problems of Pathology - Experimental Therapy.

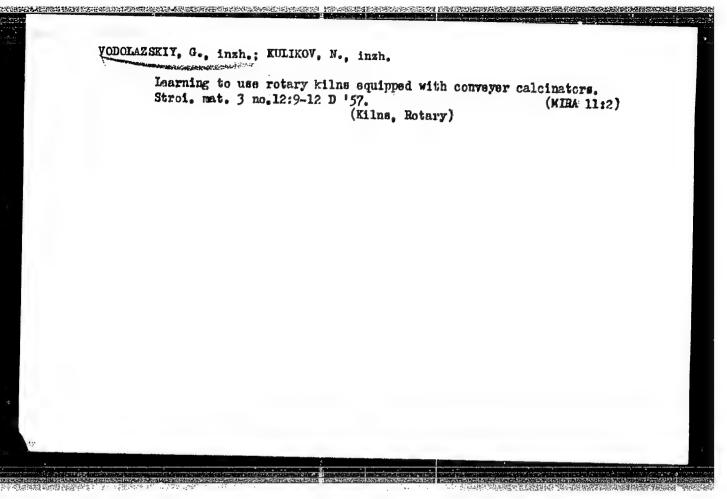
U-3

Abs Jour : Ref Zhur - Biol., No 16, 1958, 75497

it is necessary to take a dose of III 25 times larger than that of sarcolysine (it often produces partial death of animals), and of IV only $1\frac{1}{2}$ to 2 times as large. --

Card 2/2

- 15 -



VODOLAZSHIY, G.I.

Reconstruction of rotary kilns. TSement 28 no.6:19-20 N-D *62. (MIRA 15:12)

1. TSementnyy zavod *Oktyabr**. (Kilns, Rotary)

VODOLAZSKIY, L.A.

Making electrograms of workers during work in industry. Biul.eksp. biol. i med. 43 no.1 supplement:59-61 157. (MLRA 10:3)

1. Iz laboratorii fiziologii truda (zav. - doktor biologicheskikh nauk professor S.A.Kosilov) Instituta gigiyeny turda i professional-nykh zabolevaniy AMN SSSR (dir. - deystvitel'nyy chlen AMN SSSR prof. A.A.Letavet) Predstavlena deystvitel'nym chlenom AMN SSSR V.H. Chernigovskim)

(ELECTROCARDICGRAPHY,
eff. of work, registration in workers during labor)
(KIECTROMYOGRAPHY
same)

VODOLAZSKIY, I.A.; ZOLINA, Z.M.; KOSILOV, S.A.

Electromyographic investigation of muscular activity in man during prolonged industrial work. Fiziol.zhur. 45 no.9:1045-1052 S '59.

(MIRA 13:1)

1. Institut gigiyeny truda i profzabolevaniy AMN S SSR, Moskva.

(FATIGUE physiol.)

(ELECTROMYOGRAPHY)

VODOLAZSKIY, L.A.

Significance on interelectrode resistance during the registration of bioelectric processes from the skin surface in humans. Biul.eksp. biol. i med. 48 no.10:94-97 0 '59. (MIRA 13:2)

1. Iz laboratorii fiziologii truda (zav. - doktor biol.nauk S.A.
Kosilov) Instituta gigiyeny truda i profzabolevaniy (dir. - deystvitel'nyy chlen AMN SSSR A.A. Letavet) AMN SSR, Moskva. Predstavlena deystvitel'nym chlenom AMN SSSR A.A. Letavetom.

(SKIN physiol.)

RERG, A.I., akademik, red.; VODGLAZSKIY, L.A., red.; SHAMSHUR, V.I., red.; LARIONOV, G.Ye., tekhn.red.

[Electronics in medicine] Elektronika v meditsine. Pod red. A.I.Berga. Moskva, Gos.energ.izd-vo, 1960. 391 p.

1. Akademiya nauk SSSR. Vsesoyuznyy nauchnyy sovet po radiofizike i radiotekhnike.

(KLECTRONICS IN MEDICINE)

VODOLAZSKIY, L.A., PODOBA, YE. V., AND SOLOVYEVA, V.P.

Institute of Labor Hygiene and Professional Diseases, Academy of Medical Sciences USSR, Moscow - "Further development of the method of recording of electrocaridograms and electromyograms of a worker during work in the factory" (17)

Report to be submitted for the 4th Intl. Conf. on Medical Electronics, New York N.Y., 16-21 July 1961

VODOLAZKIY, L.A.; POBORA, Ye.V.; SOLOV'YEVA, V.P.

Use of the TEK-1 tele-electrocardiograph in studies of the physiology of work. Trudy VNIIMIO no.3:146-147 '63 (MIRA 18:2)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860330001-9"

THE REPORT OF THE PROPERTY OF

VODOLAZSKIY, Leonid Alekseyevich, kand. biol. nauk; STAROSTENKOVA, M.M., red.; ATROSHCHENKO, L.Ye., tekhn. red.

> [The body speaks; how and why the biocurrents of the body are studied Organizm rasskazyvaet; kak i dlia chego izuchaiut biotoki organizma. Moskva, Izd-vo "Znanie," 1962. 31 p. (Novoe v zhizni, nauke, tekhnike. VIII Seriia: Biologiia i meditsina, (MIRA 15:9) no.12)

(ELECTROPHYSICLOGY)

VODOLAZSKIY, N.G.; RACHKO, A.A., glavnyy bukhgalter; NAZARUK, Ye.S.

On a business accounting basis. Put' i put.khoz. no.1:14-16 Ja '59. (MIRA 12:2)

1. Nachal'nik Brestskoy distantsii puti Belorusskoy dorogi (for Vodolazskiy) 2. Starshiy inzh. Brestskoy distantsii puti Belorusskoy dorogi (for Nazaruk). (Railroads--Track) (Railroads--Cost of operation)

VODOLAZSKIY, N.P.; KOTOV, L.I.; KOSOV, N.P.

Automatic control of the IA616 screw-cutting lathe. Stan.1 instr. 33 no.11:38-40 N '62. (MIRA 15:11) (Lathes-Numerical control)

VODOLAZSKIY, N.P., inzh.; KOSOV, N.P., inzh.

Continuous mechanized line for machining stepped rolls on lathes.

Vest.mashinostr. 42 no.9:59-63 S '62. (MIRA 15:9)

(Lathes)

VODOLAZSKIY, P. I., master

Change in the seals of the airpipes of 220 kv. air swit hes. Energetik 10 no.8:15-16 Ag '62, (MIRA 15:10)

(Electric switchgear)

VODOLAZSKIY, P.I., master

Concerning the defects of 35 kv. air switches. Energetik 11 no.3216-17 Mr 163. (MIRA 1624)

(Electric switchgear) (Electric cutouts)

L 13782-65 EEO-2/FSS-2/EWT(1)/EEC(t)/EED-2 ISD(a)-5/AFBIR/APGC(b)/R [M(a)/ FIC(c)/ - M(4)/ - 4-74/2 / 177/2 / 77/2

Pm-4/Pn-4/Pac-4/P1-4/71-14/PK-4/P1-4

ACCESSION NR: AP4044094

5/0141/64/007/003/0406/0414

AUTHOR:

Vodolazskiy, V. I.; Terpugov, A. F.

TITLE: Optimal antennas for monopulse phase radars

SOURCE: IVUZ. Radiofizika, v. 7, no. 3, 1964, 406-414

TOPIC TAGS: monopulse radar, antenna directivity, signal noise

ratio, optimum detection

ABSTRACT: Optimal directivity patterns that ensure minimum error in the determination of the target angle are determined under the following assumptions concerning the signal and noise: 1. The mean value of the signal/noise ratio at the antenna output is known. 2. The antenna output noise is independent, normal, and additively interacting with the signal. 3. The target is assumed to be planar with the antenna (defined by a single angle v). The probability distribution density $P(\phi)$ for the target angle is known. A proba-

L 13782-65

ACCESSION NR: AP4044094

O

bility-theory definition is formulated for the antenna directivity pattern and its optimal value determined. The conclusions are:

1. Optimal antenna directivity patterns for monopulse phase radars exist and minimize the error in the determination of the target angle.

2. The use of optimal directivity patterns for an accurate determination of the target angle reduces the mean square error relatively little — by not more than 20%.

3. The use of optimal directivity patterns to determine the sign of the angle makes it possible to reduce error probibility by a factor of 4—5. Orig. art. has:

ASSOCIATION: none

SUBMITTED: 25Mar63

ENCL: 00

SUB CODE: DC, EC

NO REF SOV: 001

OTHER: 002

Card 2/2

"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001860330001-9

L 47389-66 EWT(1)/T/FSS-2

ACC NR: AR6025791

SOURCE CODE: UR/0058/66/000/004/HD44/HD44

AUTHOR: Vodolazskiy, V. I.; Terpugov, A. F.

TITLE: Optimal antennas for monopulse radar N

SOURCE: Ref. zh. Fizika, Abs. 4Zh304

REF SOURCE: Tr. Sibirsk. fiz.-tekhn. in-ta pri Tomskom un-te, vyp. 47, 1965, 171-206

TOPIC TAGS: antenna directivity, monopulse radar, diversity radar, mean square error,

error minimization

25B ABSTRACT: The following problem is considered: What should the shape of the directivity pattern of an antenna system for a monopulse radar be in order that the rms error in the determination of the angular coordinates of the target, and also its range and velocity, be minimal in some sense. Monopulse radars are investigated in which the determination of the target angle is carried out by comparing the phases of reflected signals at the output of two spatially-separated antenna systems with identical directivity patterns. Only the plane case is considered, when the angular position of the target is characterized by only one angle. It is found that rational shaping of the directivity patterns of the radar antennas can reduce by a factor of several times the error in the determination of the target, its range, and velocity. G. Malushkov. [Translation of abstract]

SUB CODE: 09

Card 1/1 hs

"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001860330001-9

ACC NR. AR6026491

SOURCE CODE:UR/0274/66/000/004/A040/A040

AUTHOR: Vodolazskiy, V. I.; Terpugov, A. F.

TITLE: Optimal antennas in single-pulse radars

SOURCE: Ref. zh. Radiotekhnika i elektrosvyaz', Abs. 4A266

REF SOURCE: Tr. Sibirsk. fiz.-tekhn. in-ta pri Tomskom un-te, vyp. 47, 1965, 171-206

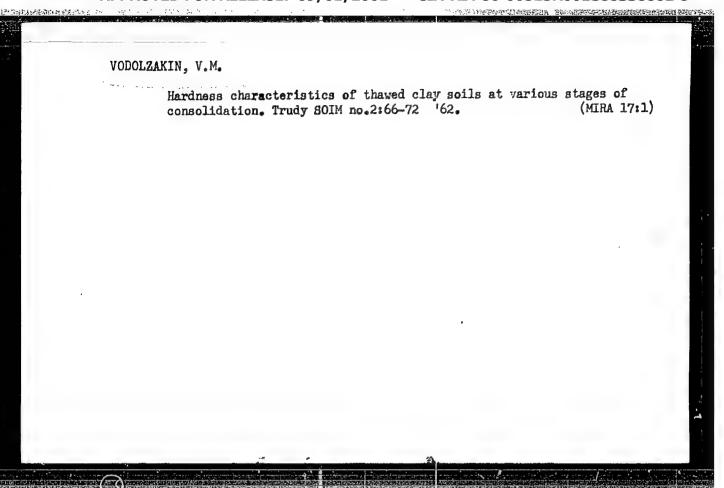
TOPIC TAGS: radar, single pulse radar, radar antenna, antenna directional pattern

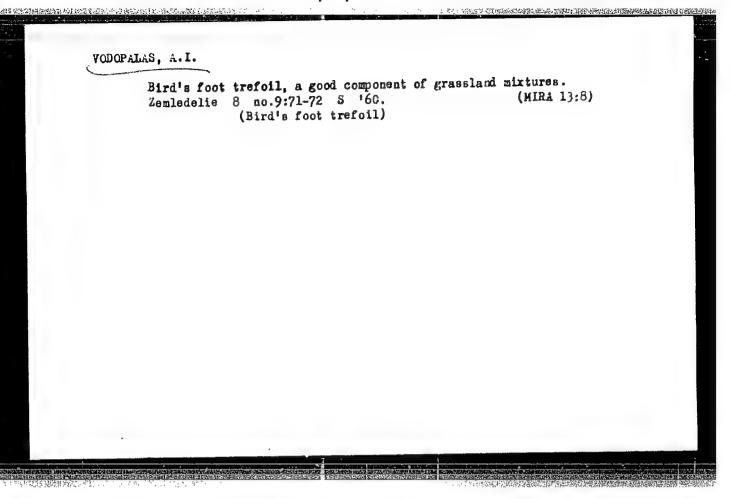
ABSTRACT: This problem is considered: Which shape the antenna directional pattern in a single-pulse radar must have in order that the mean-square error, in determining the target angle and target range and speed, be minimal. The single-pulse radars are investigated in which the target angle is determined from a comparison of echosignal phases at the outputs of two space-separated antennas having identical directional patterns. Only the planar case, in which the angular target position is defined by one angle, is considered. A rational shaping of the directional pattern can reduce the error in determining the target angle, range, and speed by several times. Bibliography of 9 titles. G. M. [Translation of abstract]

SUB CODE: 17

Card 1/1

UDC: 621, 396, 677, 861:621, 396, 96





VOLOF'HANOVA, T. D.

Judas Tree - Crimea

Judas Tree (Cercis siliquastrum L.) in Grimea. T. D. Vodop'yanova. Bot. mat. Gerb. 14, 1951.

Monthly List of Russian Accessions, Library of Congress, November 1952. Unclassified.

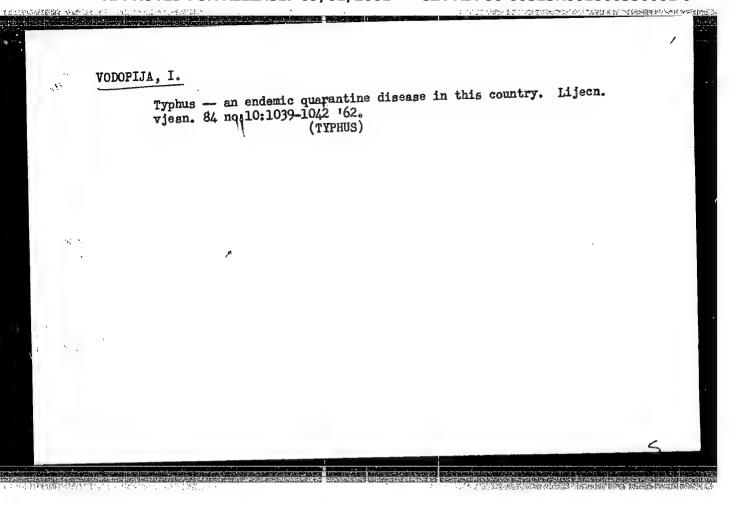
TOMIC-KAROVIC, Krunoslava; SKALOVA, Radmila; ZAGAR, Zivojin; UGRCIC, Renka; VODOPIJA, Alemka

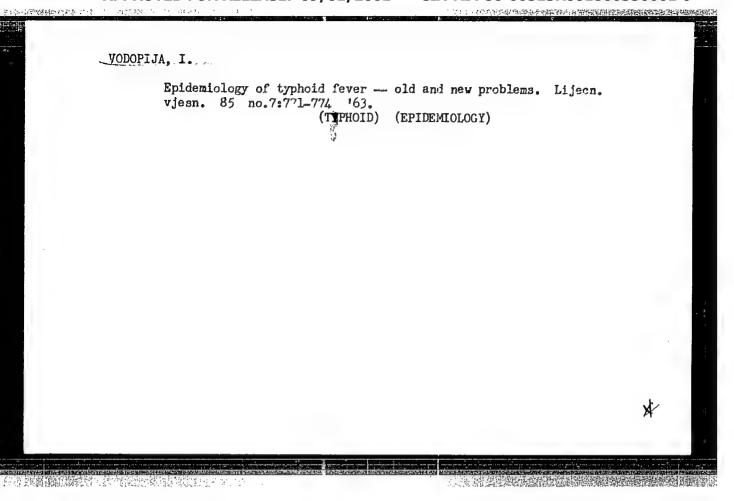
The problem and appearance of resistance strains of Staphylococcus pyogenes. Rad. med. fak. Zagreb 8 no.1:5-25 '60. (STAPHYLOCOCCUS pharmacol) (ANTIBIOTICS pharmacol)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860330001-9"

部級機構的構成では、「カルドオカイル Dir Fritati

VODOPIJA, I. Tropical diseases in our practice. Lijecn. vjesn. 84 no.9:935-937 162. (TROPICAL MEDICINE)





YUGUSLAVIA

WODOPIJA, Dr I. √affiliation not given 7.

"Epidemics of Typhoid Fever, an Old and New Problem."

Zagreb, Lijecnicki Vjesnik, Vol 85, No 7, July 1963, pp 771-774.

Abstract: The author discusses the 1963 epidemic in Switzerland, the 1962 outbreak in a US youth camp in Federal Germany, the 1962 epidemic in Saskatchewan, and periodic outbreaks in Zagreb and Yugoslavia (the most recent having been traced in 1962 to a Zagreb pastry shop). He states that the methods of the Swiss authorities on Zermatt, viz., closure of hotels (making it possible for the departed vacationers to spread the epidemic), are outmoded. Strict control over water supply, food, and potential contacts makes it possible to curb an epidemic effectively with much lower costs and losses.

Eighteen Yugoslav and Western references.

1/1

- 5 -

NAJMAN, Emil, dr.; REINER, Zeljka, dr.; KOSUTIC, Zvonimir, dr.; BREITENFELD, Vladimir, dr.; VODOPIJA, Ivan, dr.

Salmonella java infection in children. Lijecn. vjecn. 84 no.6:553-555

1. Iz Djecjeg odjela Opce bolnice "Dra M. Stojanovica", Bolnice za zarazne bolneti u Zagrebu i Zavoda za ziatitu zdravlja grada Zagreba.

(SALMONELLA INFECTIONS in inf & child)

VODOPIJA, Ivan, dr.; TOMPAK, Biserka, dr.; SKALOVA, Radmila, dr.; HELLENBACH, Helena, dr.

Isolation of S. typhi abdominalis from well water by the membrane filtration method during the epidemic of typhoid fever in the village Bratini in 1960. Lijecn. vjesn. 83 no.12:1241-1244 161.

1. Iz Gradskog zavoda za zdravstvenu zastitu, Skole narodnog zdravlja *A. Stampar* i Bolnice za zarazne bolesti u Zagrebu.

(TYPHOID transm) (WATER SUPPLY microbiol)

VODOPIJA, Ivan, dr.; BUJEVIC, Aldo, dr.; MADJARIC, Drago, dr.; MIKIC, Fedor, dr.; CVORISCEC, Tomislav, dr.

Determination of spreading of an epidemic with a rapid individual "filter" survey. Lijecn. vjesn. 83 no.12:1261-1267 '61.

1. Iz Zavoda za zdravstvenu zastitu gruda Zagreba i NR Hrvatske, Skole narodnog zdravlja "Andrija Stampar" i Sanitarnog inspektorata NO grada Zagreba.

(HEALTH SURVEYS) (EPIDEMIOLOGY)

KOSUTIC, Zvonimir, dr.; REINER, Ivan, dr.; BREITENFELD, Vladimir, dr.; MILIC, Nedjeljko, dr.; PIEROTIC, Nevenka, dr.; SEKSO, Mladen, dr.; SOLJAN, Nevenka, dr.; TRNSKI, Josip, dr.; VODOPIJA, Ivan, dr.

Clinical characteristics of salmonellosis java in adults. Lijecn. vjesn. 84 no.5:437-444 '62.

1. Iz Bolnice za zarazne bolesti, Internog odjela bolnice "Dra M. Stojanovica" u Zagrebu i Zavoda za zastitu zdravlja grada Zagreba.

(SALMONELLA INFECTIONS case reports)

YUGOSLAVIA

Dr Ante HRABAR and Dr Iva: VODOPIJA, State Institute of Health (Republicki zavod za Zastitu zdravlja) and City Institute of Health (Zavod za zastitu zdravlja greda), Zagteb.

"Epidemic of Typhold Fiver Spread by a Pastry Shop."

Zagcob, Lijecnicki Viewik, Vol 84, No 12, Dec 62; pp 1209-1216.

Abstract [English summary modified]: An epidemic in Medvercak, one of the better quarters of Zagreb, in summer 1961; very frustrating apidemiologic sleuthing finally traced it to a bricklayer neighbor of one of the milk suppliers of a pastry shop in the neighborhood; this summer the bricklayer was building. It own been so he did not leave for seasonal work as in other years. Over 100 cases of typhoid fever all the way back to 1938 had apparantly been due to the same source. Diagram, table, 8 Tugoslay references.

11/1

VODOPIJA, Ivan, dr.; BARIC, Ljubo, dr.; SUBAJKOVIC, Mirajana, dr.; TOMPAK,
Biserka, dr.; ALERAJ, Dora, dr.; KOSUTIC, Zvonimir, dr.; BREITENFFLD,
Vladimir, dr.

Salmonellosis java epidemia in a Zagreb hospital. Lijecn. vjesn. 84 no.4:331-338 '62.

1. Iz Zavoda za zastitu zdravlja grada Zagreba, Internog odjela Opce bolnice "Dra M. Stojanovica", Zavoda za zastitu zdravlja NR Hrvatske i Bolnice za zarazne bolesti u Zagrebu.

(SALMONELLA INFECTIONS epidemio1)

Dr I. VGSOPIJA [Affilterion net given]

"Typhus - &c Endemic Questintine-Liable Disease in Our Country."

Zugreb, Lijecnicki Viennik, Voi 86, No 10, Gct 1962; pp 1039-1042.

Abstract: Exhortatory editorial reviewing the attnation of endemic typhus in Yugoslavia and stressing need for rapid climination, citing difficulties and possibilities. Most of 26 references are Yugoslav.

VODOPIJA, Ivan, dr.

Immunization with live polio vaccine. Lijecn. vjesn. 84 no.6:545-551
162.

1. Iz Zavoda za zdravstvenu szatitu grada Zagreba.
(POLIOMYELITIS immunol) (VACCINATION)

TOMASEGOVIC, Z.; JANKOVIC, Z.; PETKOVIC, V.; STANIC, M.; BETLHEIM, S.; BLAZEVIC, D.; PERSIC, N.; ZORINC, S.; TEODOROVIC, B.; VRANCIC, J.; VODOPIJA, I.; ANTONIAZZO, Z.; CULIC, R.; GALINOVIC-WEIEGLASS, M.; RETAKOV, Z.; MRAVUNAC, B.; KOEHLER-KUBELKA, N.; CEZNER, M.; KOHN, V.; TEKAVCIC, B.; EMILI, H.; SMERDEL, S.; SOOS, E.; VUKSANOVIC, V.; JANJATOVIC, M.; DERVISTUO, I.; GRUENWALD, P.; SKRABALO, Z.; CREPINKO, I.; HAUPTMANN, E.; VIDACEK, S.; HORVAT, A.; MIOCKA, O.; IVANCEVIC, D.; PERCER, A.; KRSNJAVI, B.; PRAZIC, M.; SALAJ, B.; SUBOTIC, R.; RADOSEVIC, Z.; KELERBACOKA, M.; HAHN, A.; MATKOVIC, B.; RADONIC, M.

Reveiw of periodicals; medicine. Bul sc Youg 9 no.4/5:145-147 Ag-0 '64.

Epidemiology

YUGOSLAVIA

VODOPIJA, Ivan, Dr. Secretary of Public Health and Social Welfare of the City of Zagreb (Sekretarijat za narodno zdravlje i socijalnu zastitu grada Zagreba), Zagreb.

" German Measles in Zagreb"

Zagreb, Lijecnicki Vjesnik, Vol 88, No 2, 1966, pp 125-154

Abstract / Author's summary modified 7: Statistical analysis of over 10,000 notifications in the period 1952 to 1964 show that German measles appear in periodic cycles from 5 to 7 years as a spring-time disease predominantly affecting school children. No increase in congenital malformations was observed. During the outbreaks in 1962 and 1963, German measles seemed to attack the same persons in two consecutive years, indicating that the immunity following the disease may not be long - lasting or that there may be more than one type of causative agent. Tables and graphs. 1 Yugoslav and 55 Western references. Received for publication 23 September 65.

VODOPIJA, Janko, Dr.; TOMPAK, Biserka, Dr.

Epidemiological considerations on diseases caused by Salmorella blockley. Lijec vjes 82 no.9/10 '60.

 Iz Higijenskog zavoda grada Zagreba (SALMONELLA INFECTIONS epidemiol)

PLANIC, Radoslav, ing. (Zagreb); VODOPIJA, Zeljko, dipl. ec. (Zagreb)

Characteristics of investment in 1960. Energija Hrv 10 no. 5/6:171-172
161.

 Zajednica elektroprivrednih poduzeca Hrvatske, Zagreb, Proleterskih brigada 37. 2. Clan Urednickog odbora, "Energija," urednik rubrike "Izgradnja elektroenergetskih postrojenja" (for Planic).

PLANIC. Radoslav. inz.; VODOPIJA, Zeljko, dipl. ec. *

Characteristics of the investments in electric-power engineering in 1961. Energija Hrv 11 no.5/6:166-167 '62.

1. Zajednica elektroprivrednih poduzeca Hrvatske (Zagreb, Proleterskih brigada 37). 2. Clan Urednickog odbora, "Energija" (for Planic).

K. Cazafura; PAVKO, D.; SIRCA, F.; KERSNIC, Viktor, prof. dr. inz.;
KOSAK, K.; GRAFENAUER, S.; PODGORNIK, A.; KERNC, J.; DOBOVISEK,
Bogomir, docent, dr. inz.; GCEPEK, Drago, docent, dr. inz.;
HOMAN, A.; MARCEC, N.; RANKEL, J.; CRNIVEC, M.; SMAJIC, N.;
CUCEK, I.; KERSNIC, V., ml.; VODDPIVEC, F.

New books. Rud met zbor no. 2:144-187 '63.

1. Glavni urednik, "Rudarsko-metalurski zbornik" (for
Viktor Kersnic).
2. Clani Uredniskega odbora, "Rudarsko-metalurski zbornik"
(for Dobovisek and Ogepek).

VODOPIVEC, Franc, dr inz., saradnik (Ljubljana, lepi pot 11)

Influence of phosphorus on the morphology of oxide layers in the surface oxidation of hard iron. Tehnika Jug 19 no.1:Suppl: Radioizotopi zrac 3 no.1:33-3) Ja '64.

1. Metalurski institut u Ljubljani.

1/001/63/000/001/003/004 D267/D308

AUTHOR:

Vodopivec, Franc

TITLE:

Application of radioactivation for the quantitative study of the enrichment of iron surface with arsenic

PERIODICAL:

Tehnika, no. 1, 1963, 25-31 (Radioaktivni izotopi i zračenja, v. 2, no. 1, 1963, RII-RI7)

The lesser affinity to oxygen of arsenic compared with iron results in a high enrichment with arsenic of a thin metal layer at the iron-oxide-steel boundary: on the other hand it is known that an As content in excess of ca. 0.3% has a detrimental effect on the mechanical working of steel. The distribution of As in the enriched layer was determined by using 76As. Ferrous alloy specimens with 0.075% As were oxidized and then irradiated for 3-6 days in a nuclear reactor. Owing to its greater effective cross section, As underwent more intense activation than Fe. Next metal layers of ca. 1 µ were dissolved anodically, both from the outer surface of the specimens, and from the inner surface of the oxide

Card 1/2

Y/001/63/000/001/003/004 D267/D308

Application of radioactivation ...

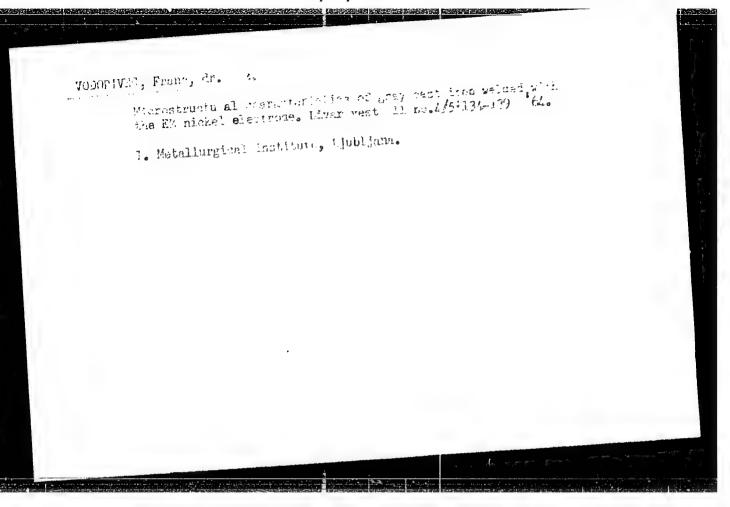
film which had been carefully detached from the metal. The bath used consisted of CH3COOH and HC104. As was then precipitated as sulphide, using NoS3 as the main precipitate. By comparing the count rate of these two precipitates with that of the standard precipitate obtained from the original alloy, the As contents were determined. It was found that all of the As in the oxidized metal layer is concentrated in the enriched metal layer at the metal/oxide boundary. The As distribution curves taken after exidation at 800 and 1000°C differ from one another. In the former case they resemble the diffusion curves in systems with complete solubility in solid state; in the latter they resemble the diffusion curves in systems with limited solubility in solid state. There are 9 figures and 5 tables.

ASSOCIATION:

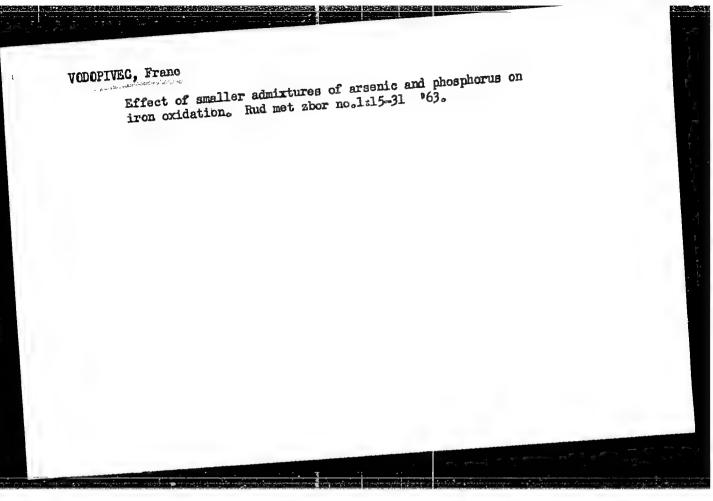
Metalurški institut u Ljubljani (Metallurgical

Institute, Ljubljana)

Card 2/2



APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860330001-9"



APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860330001-9"

VODOPIVEC, Franc, dr. inz. (Ljubljana, Lepi pot 11)

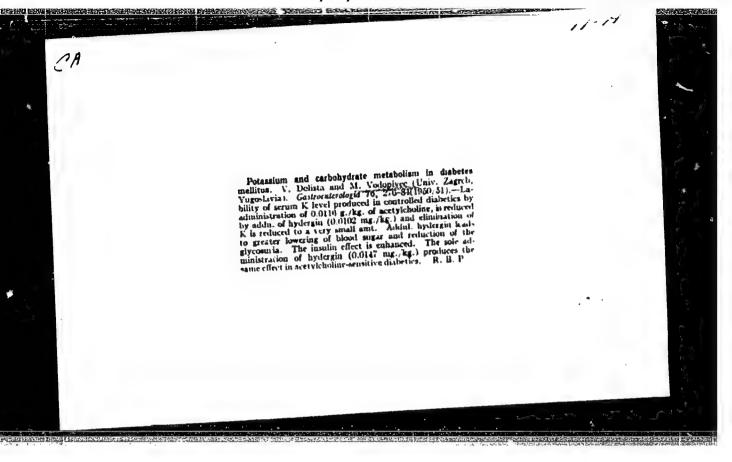
Desulfuration at the beginning of surface exidation of the iron alloyed with 0.001% of radioactive sulfur. Technika Jug 18 no.4: Suppl.: Radioizotopi zrac 14 no.4:625-629 Ap. 63.

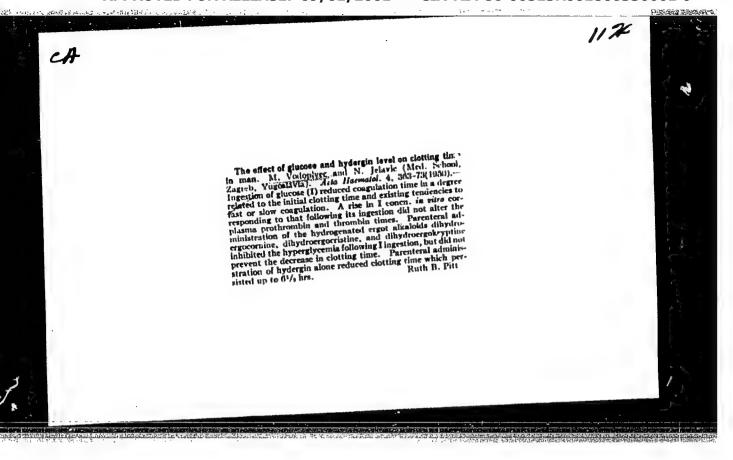
1. Saradnik Metalurskog instituta, Ljubljana.

-VODOPIVEL, Franc, dr. inz.; MEGUSAR, Jamez, dipl. inz. metalurgija

Effect of the nonexidized aluminum and nitrogen content on the austenitic grain size in iron and steel. Rud met abor 3: 297-305 64.

1. Metallurgical Institute, Ljubljana, Lepi pot 11.





VODOPIVEC, Franc, dr inz., saradnik (Ljubljana, Lepi pot 11)

Use of autoradiography in metal testing. Tehmika Jug 19
no.3:Suppl:Radioizotopi zrac 3 no.3:419-428 Mr '64.

1. Metallurgical Institute, Ljubljana.

VODOPIVEC, Franc, dr inz. (Ljubljana, Lepi pot II)

Use of radioactivation in the quantitative analysis of iron surface dressing with arsenic. Tehnika Jug:Suppl.: Radioizotopi zrac 2 no.1:25-31 Ja *63.

1. Saradnik Metalurskog instituta u Ljubljani.

SIRCA, F.; DOBOVISEK, Bogomir, docent, dr. inz.; GRAFENAUER, S.; KOSOVINC, I.;
HAMRIA, B.; VODOPIVEC, F.; KUSCER, D.; KERNC, J.; DROBNE, F.;
PAVKO, D.; CAZAFURA, K.; TURK, St.; OCEPEK, Drago, docent, dr. inz.;
ROSINA, A.; ZUMER, M.; SOVINC, I.

New books. Rud met zbor 4:431-457 '63.

1. Clanovi Uredniskega odbora, "Rudarsko-metalurski zbornik"
(for Dobovisek and Ocepek).

VODOPIVEC, S.

Yugoslavia (430)

Technology

Medical treatment of hypodermosis and its economic importance. p. 197, Nova Proizvodnja, Vol. 2, no. 2/4, August 1951.

East European Accessions List, Library of Congress, Vol. 2, No. 3, March 1953. UNCLASSIFIED.

"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001860330001-9

VODOPIVEC, V.

Yugoslavia (430)

General - Serials

Some observations on the problem of the relationship between church and state. p. 11. NASI RAZGLEDI. (Tiskovni konzorcij "Ljudske pravice") Ljubljana. (Illustrated fortnightly on political, economic, and cultural problems), Vol. 1, no. 10, July 12, 1952.

Rast European Accessions List. Library of Congress, Vol. 1, no. 13, November 1952. UNCLASSIFIED

VEKSLER, V.J.; VODOPJANOV, A.F.; JEFREMOV, D.V.; MINC, A.Z.; VEISBEIN, M.M.;

GASEV, N.G.; ZEJDLIC, A.J.; IVANOV, T.P.; KOLOMENSKIJ, A.A.; KOMAR, E.G.;

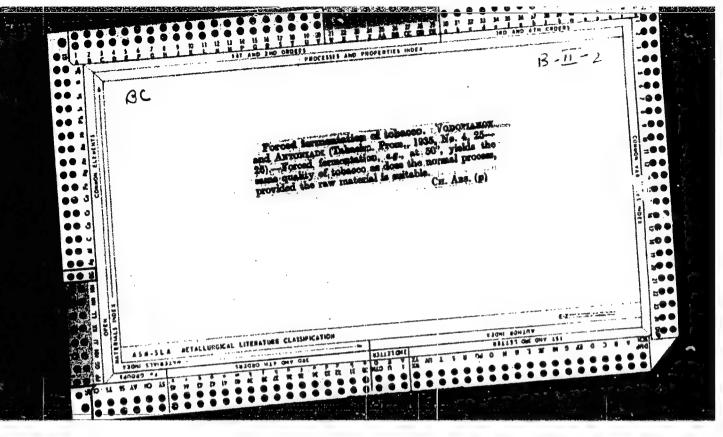
MALYSE V, J.E.; MONOSZOH, M.A.; HEVJAZSKIJ, J.Ch.; PETUCHOV, V.A.;

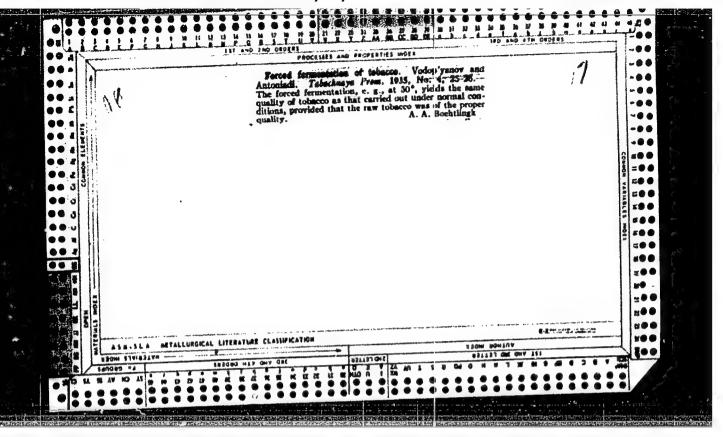
RABINOVIC, V.A.; RUBCINSKIJ, S.N.; SIHE NIKOV, K.D.; STOLOV, A.M.;

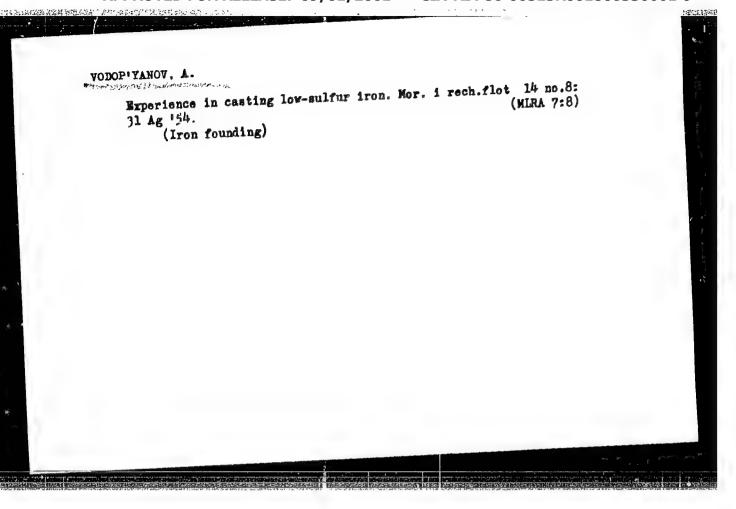
KULT, Karel, inz.

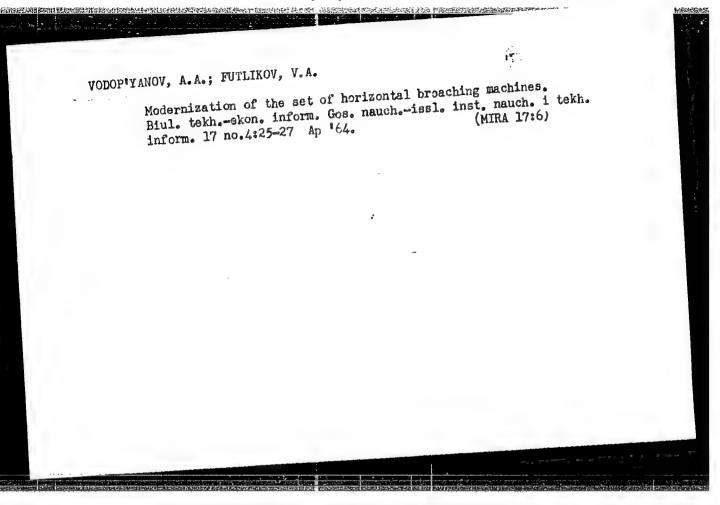
The synchrophasotron for particle acceleration to 10 BeV energy of the Soviet Academy of Sciences. Jaderna energie 3 no.1:5-9 Ja 157.

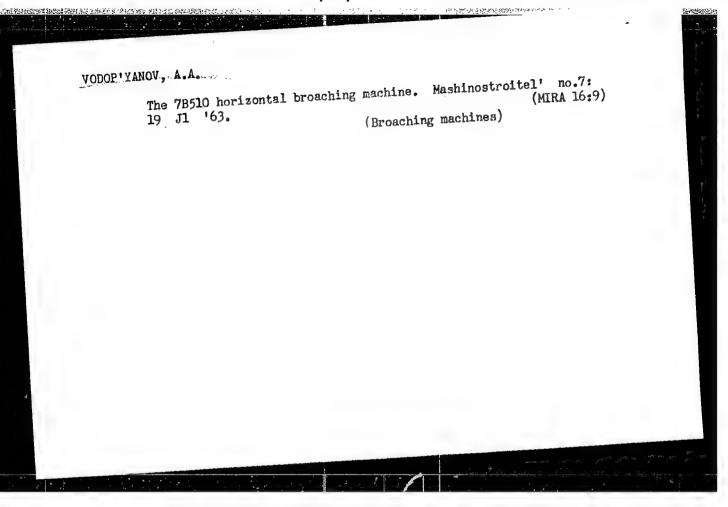
1. Ustav jaderne fysiky (for Kult).



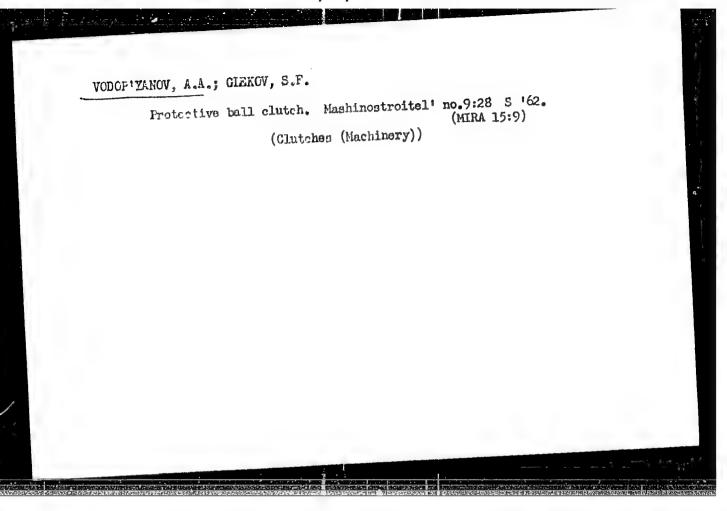


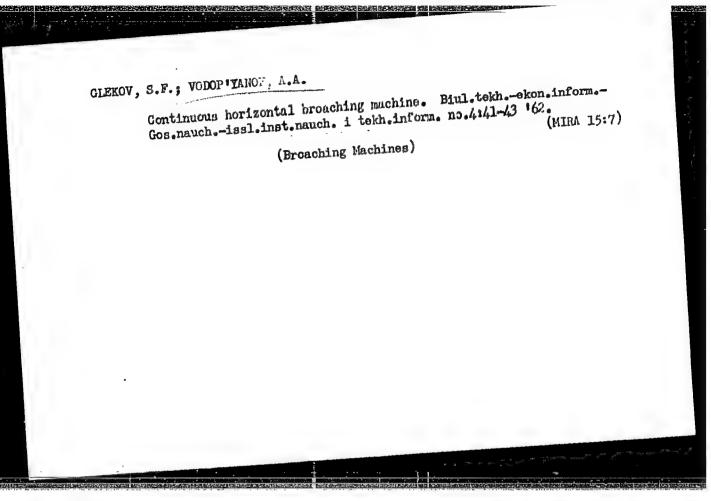






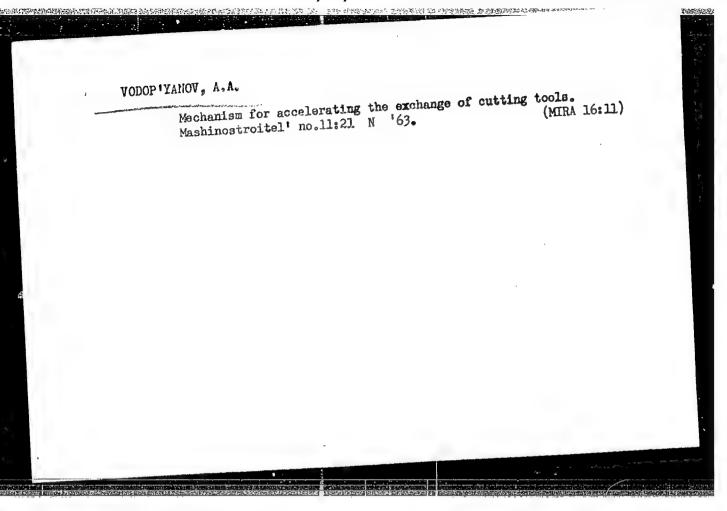
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1.1100

AUTHORS:

Glekov, S. V., Vodop'yanov, A. A.

TITLE:

Continuous horizontal broaching machines

PERIODICAL: Byulleten'tekhniko-ekonomicheskoy informatsii, no. 4, 1962, 41-43

TEXT: The Special Designing Bureau of the Belorussian Sovnarkhoz has developed a range of continuous horizontal broaching machines. The machines, having a broaching force of 10, 5 and 2.5 tons respectively, were manufactured and tested by the Minskiy stankostroitel nyy zavod (Minsk Machine Tool Plant) and tested by the minskiy stankostroitel nyy zavod (Minsk Machine Tool Plant) and size by broaching. In contrast to the ordinary models, these continuous broaching machines have no idle reverse stroke, the carriage does not stop prior to and after machining of each component, and loading is effected during operation. The broaching machines here described have a capacity of 500 - 2,500 components per hour depending on the broaching speed. The authors present a brief description of the machine operation and give the following technical specifications:

Card 1/2

S/193/62/CCO/CO4/CO8/CO8 AOO4/A101.

Continuous horizontal broaching machines

		Model		
Parameters	7581	7582	7583	
Rated tractive force, tons Maximum broaching length, mm Length and width of carriage, mm Number of carriages Broaching speed (8 stages), m/min Main driving motor power at 1500rpm,	2.5 1,050 186 x 260 19 2.5 : 12.5 kW 4.5	5 1,500 130 x 265 23 2.3 : 11.5	10 2,100 175 x 300 25 2.4 : 12 20	
Overall dimensions, mm: Tength (without conveyer) Width Height Weight, kg	3,025 1,040 1,175 3,230	3,525 1,160 1,215 4,390	4,350 1,240 1,445 5,880	

There are 2 figures. Card 2/2

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001860330001-9"

ACCESSION NR: AP4033691 S/0193/64/000/004/0025/0027

AUTHOR: Vodop'yanov, A. A.; Futlikov, V. A.

TITLE: Modernization of horizontal-broaching machines

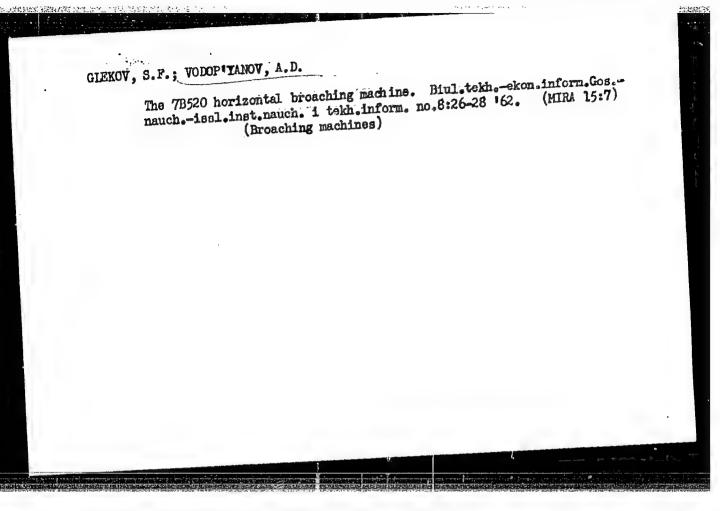
SOURCE: Byulleten' tekhniko-ekonomicheskoy informatsii, no. 4, 1964, 25-27

TOPIC TAGS: broach, horizontal-broaching machine, improved design, hydraulic system, unification coefficient

ABSTRACT: The 1952 horizontal broaching machine models 7505, 7A510, and 7A520 were modernized in 1962 and are now produced as models 7A505, 7B510, and 7B520 differing only in size. The new design includes a special mechanism for swarf removal which formerly was accomplished manually, an improved hydraulic system to provide more uniform cutting speeds, and an improved tracking mechanism. The new models ensure higher performance, easier maintenance, and safer operation, and can be included in automatic lines. A high parts exchangeability coefficient and considerable savings have been effected by basing the new design on the assemblies used in vertical

Card 1/2

ACCESSION NR: APh033691
broaching machines. Orig. art. has: 1 table and 1 figure.
ASSOCIATION: None
SUBMITTED: 00 ENCL: 00 SUB CODE: MM
NR REF SOV: 000 OTHER: 000



s/193/62/000/008/001/001 A004/A101

AUTHORS:

Glekov, S. F., Vodop'yanov, A. D.

TITLE:

Model 7 B 520 (7B520) horizontal broaching machine

Byulleten' tekhniko-ekonomicheskoy informatsii, no. 8, 1962, 26 - 28 PERIODICAL:

The Minskiy stankostroitel nyy zavod im. S. M. Kirov (Minsk Machine Tool Plant im. S. M. Kirov) has manufactured the 7B520 horizontal broaching machine designed by the Special Designing Bureau No. 12. The machine is intended for broaching precision holes of different geometrical shape and dimensions. By using special devices it is possible to machine keyways and external surfaces. Since the change-over of the machine requires only a short time, it can be expediently used also in small-batch and piece production. In large-scale production with an automatic cycle the machine has a capacity of 45 - 170 components per hour, depending on the kind and dimensions of the workpieces to be machined. The 7B520 machine is manufactured in two models, one with and the other without attached bed. The first model is intended for operations with light broaches in piece or small batch production as well as for work requiring special adjustment. The surface finish attained at high speeds is up to ∇ 7. The second model is mounted on a bed.

Card 1/2

3/193/62/000/008/001/001 A004/A101

Model 75 520 (78520) horizontal broaching machine

fitted with devices that make it possible to operate on an automatic cycle. The authors give a brief description of the main machine units and present the following technical specifications: Rated tractive force - 20 tons; length of stroke of the working carriage - 1,600 mm; length of stroke of the supporting roll - 600 mm (for the second model only); working stroke speed - from 1.5 - 11 m/min; maximum efficiency of the main drive hydraulic pump - 300 l/min; face plate hole diameter - 130 mm; main drive motor power - 20 kW; machine overall dimensions - 4,670 x 1,500 x 1.370 mm (the length of the second model is 6,835 mm); machine weight - 4,220 kg (that of the second model is 4,970 kg). The 7B520 broaching machine replaces the 7A520 model and, in comparison with the latter, possesses the following improvements: it is by 500 kg lighter and the surface area required has been reduced by 20%; its efficiency is by 1% higher, while servicing takes less time. In December 1961 the State Comission recommended the machine for the large-scale output. There is 1 figure.

Card 2/2

BUDANOV, V.P.; TARASOV, A.Ya.; VODOP'YANOV, A.H.

Knockmeter with phase indicator. Avt.1 trakt.prom. no.4:15-17
Ap '56.

1. Gor'kovskiy avtozavod imeni Molotova.
(Automobiles--Engines--Tosting)

ZONOV, G.B.; VODOPIYANOV, B.G.

Mack-capped chickadses spending winter nights in rodent burrows.

Rokl. Irk. gos. nauch.-issl. protivochum. inst. no.52153-155 '63 (MIRA 18:1)

ZONOV, G.B.; VODOP*YANOV, B.G.

Information on winter resating of some birns in the bribal Large region. Nauch.do:1. vys. sakoly; btol. nauki no.1:34.36 *126. (MIRA 19:1)

1. Rekomendovana Trkutskim nauchao-issledovatel*shim protivochumnym institutom. Submitted April 16, 1964.

VODOP'YANOV, F.A.

TREASURE ISLAND BIBLIOGRAPHICAL REPORT

AID 398 - I

PHASE I

TK6575.V6

BOOK

Author: VODOP'YANOV, F. A.

Full Title: RADAR

Transliterated Title: Radiolokatsiya

Publishing Data

Bureau of Inventions, State Planning Commission Originating Agency:

of the USSR

Publishing House: Publishing House of the State Planning Commission

Date: 1946

Editorial Staff

No. pp.: 150

No. of copies: 10,000

Editor: Yu. Kobzarev

Call No.:

Tech. Ed.: None Appraiser: None

Editor-in-Chief: None

Others: None

Text Data

Coverage: A systematic exposition of the entire field of radio location and ranging of "passive" targets (as distinct from "active" targets, such as radio beacons, ranges, etc.). The author includes in this field radio goniometric stations (where the location of the target is determined from two or three points), automatic tracking stations, installations employing pulsed-radiation methods, and those employing continuous-radiation methods (phase-type, interference-type, and frequency-modulation range finders). The components and operating methods of each system are described in a general manner.

Radiolokatsiya

AID 398 - I

The book is based on open patent and periodical literature of the prewar period. The sources are almost exclusively foreign, although the author does give a few Soviet works in this field.

TABLE OF CONTENTS

Introduction.

1. Radar Installations

Pulse-Type Range Finders 2.

Phase-Type Range Finders

Interference-Type Range Finders

Frequency-Type Range Finders

Purpose: Intended to present a systematized material on the basic methods of early radar development for the benefit of engineers and scientists

Facilities: None No. of Russian and Slavic References:

Available: Library of Congress

2/2

VEKSLER, W.I.: TEFREMOV, D.V.: MINTS, A.L.: VEYSBETH, M.M.: YODOP'YANOV;

F.A.: GASHEV, M.A.: ZEYDLITS, A.I.: IVANOV, P.P.: KOLOMENSKIY,

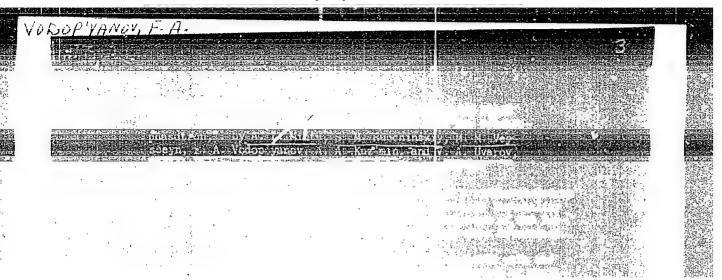
A.A.: KOMLR, Ye.G.: MALYSHAW, I.P.: MOMOSZON, M.A.: HEYYAZHSKIY,

I.Kh.: PETURBOV, V.A.: RABINOVICH, M.S.: GUBCHINSKIY, S.M.: SI
IKL'NIKOV, K.D.: STOLOV, A.M.

Ten Bev energy synchrocyclotron built by the Academy of Sciences

of the U.S.S.R. Atop. energ. no. 4:22-30 '56. (MLRA 9:12)

(Cyclotron)



YODOP'YAKOY, I-IA.

"The Master Oscillator in the System Coupling the Accelerating Field Frequency and the Intensity of the Magnetic Field in the 10 Bev Synchrophasotron," by F. A. Vodop'yanov, Radiotekhnika i Electronika, No 7, Jul 56, pp 928-939

A description is given of the wide band master oscillator in which the principle of the negative feedback was utilized by means of a precise frequency detector for stabilization of the modulating characteristics.

Persons who participated in the project were I. M. Gromov, Yu. F. Dushin, and V. N. Manin.

SUM-13APPROVED FOR RELEASE: 09/01/2001

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VODOPYANOV, F. A., MINTS, A. L., RUBCHINSKIY, S.M., VEYSBEYN, M.M., VASIL'YEV, A.A.

"Some Technical Characteristics of the 10 GeV Proton Synchrotron Electronic System," paper presented CERN Symposium, 1956, appearing in Nuclear Instruments, No. 1, pp. 21-30, 1957

VLADIMIRSKIY, V.V.; KOMAR, Ye.C.; MINTS, A.L.; GOL'DIN, L.L.;

MONOSZON N.A.; RUBCHINSKIY, S.M.; TARASOV, Ye.K.; VASIL'YEV, A.A.;

VODOP'YANOV, F.A.; KOSHKAREV, D.G.; KURYSHEV, V.S.; MALYSHEV, I.F.;

STOLOV, A.M.; STREL'TSOY, N.S.; YAROVLEV, B.M.

The 7 bev. proton synchrotron. Prib. i tekh. eksp. 7 no.4:5-9 J1-Ag 162. (MIRA 16:4)

l. Institut teoreticheskoy i eksperimental'noy fiziki Gosudarstvennogo komiteta po ispol'zovaniyu atomnoy energii SSSR, Mauchno-issIedovatel*skiy institut elektrofizicheskoy apparatury Gosudarstvennogo komiteta po ispol'zovaniyu atomnoy energii SSSR i Radiotekhnicheskiy institut Gosudarstvennogo komiteta po ispol'sovaniyu atomnoy energii SSSR. (Synchrotron)

40738

24.6730

S/120/62/000/004/003/047 E140/E420

AUTHORS:

Rubchinskiy, S.M., Batskikn, G.I., Vasil'yev, A.A. Vodop'yanov, F.A., Gutner, B.M., Kuz'min, A.A., Kuz'min, V.F., Lebedev-Krasin, Yu.M., Uvarov, V.A.

TITLE:

The electronic system of the 7 Gev proton synchrotron

PERIODICAL: Pribory i tekhnika eksperimenta, \(\)no.4, 1962, 20-26

TEXT: The article surveys the electronic system of the 7 Gev proton synchrotron, the individual parts of which are described in individual articles in the same number of the journal. The electronic circuits control the continuous increase of the energy of the accelerated particles. For the chamber aperture used in the apparatus, the deviation of the momentum from the equilibrium value cannot exceed + 5 x 10⁻³. The instantaneous values of H must be held to within 10⁻³ at the start (f = 0.67 Mc/s) and 5 x 10⁻⁵ at the end of the acceleration cycle (f = 8.31 Mc/s). The synchrotron frequency varies from 3600 to 150 c/s. To keep the oscillations of phase with passage through resonance less than the adiabatic damping of these oscillations, the harmonic frequency modulation of the accelerating potential by the synchrotron frequency should not exceed 0.5 c/s and the harmonic amplitude Card 1/3

影性學以對一個型 物質學或對於人類學是有

S/120/62/000/004/003/047 E140/E420

The electronic system of ...

of the modulation at the same frequencies should be less than 2×10^{-4} at the start and 5×10^{-3} at the end of the cycle. The spectral density of noise modulation should be of the order of The precision of measuring H at the instant $2 \times 10^{-3} \text{ cs}^2/\text{cs}$. of injection was prescribed as 3×10^{-1} . These requirements are met by a programmed frequency control with correction for the radial and phase positions of the beam, calculated for beam intensities of 108 to 1012 particles. The beam measuring system consists of a precise discrete integrator and a meter for the initial level of the magnetic field intensity. equipment is required for the automatic measurement of the instantaneous values of frequency and field intensity, the measurement of micromodulation of the frequency and amplitude of the accelerating potential, variations of beam intensity over the acceleration cycle, the azimuthal distribution of particle density in the bunch, and the position of the beam in the vacuum chamber. An overall block diagram of the system is given and also summary descriptions of the systems for generating the accelerating field, the acceleration control and the measuring equipment. Card 2/3

 The electronic system of ...

S/120/62/000/004/003/047 E140/E420

particles are accelerated at the seventh harmonic of their frequency of revolution - in the band from 0.67 to 8.31 Mc/s. The energy increase is 4.3 keV per revolution. The accelerating elements are 2.4m drift tubes located in 11 compensating electromagnets. The transit angle in each tube is about 25° and the ratio of accelerating potential to the potential across the tube is about 0.43. The system ensures a phase oscillation of the beam below 0.05r and stabilizes the radial position to within + 1 mm. There is 1 figure.

ASSOCIATION: Radiotekhnicheskiy institut GKAE

(Radio Engineering Institute GKAE)

SUBMITTED: April 23, 1962

Card 3/3

40747

S/120/62/000/004/013/047 E192/E382

84.6730

AUTHOR: Vodop'yanov, F.A.

TITLE: Precision driver generator for the system of

programmed control of frequency of the accelerating

field of the proton synchrotron

PERIODICAL: Pribory i tekhnika eksperimenta, no. 4, 1962,

TEXT: The required frequency range from 590 kc/s to 8.31 Mc/s for the 7 GeV proton synchrotron with a frequency stability of the upper limit of 8 x 10⁻⁵ was achieved by using a system consisting of a ferrite-tuned LC-oscillator, a special wideband frequency multiplier and a heterodyne mixer. The LC-oscillator, which is modulated by the current from the programmer (p. 89 of this issue of the journal) is based on the Clapp circuit and its resonance system consists of 3 capacitors and a coil of variable inductance having a DC inductance of 73 µH. The inductance coil is wound on a toroidal core with an initial permeability of 400. The oscillations from the cathode of the oscillator tube are applied Card 1/3

S/120/62/000/004/013/047 E192/E382

Precision driver generator

via a buffer stage to an automatic gain-control (AGC) detector and an output cathode-follower. The output of the AGC detector is applied to a DC amplifier and then to the grid of the oscillator tube, so that the amplitude of the oscillations over the range of frequencies from 2.074 to 3.039 Mc/s varies less than + 6%. The local oscillator (heterodyne) is based on a triode and is quartz-crystal-stabilised. Its signal is applied to a balanced mixer based on a double triode. The output of the mixer is terminated by a matched filter having a bandwidth ranging from 0.5 to 8.5 Mc/s. The signal from the filter is applied to a h.f. amplfier provided with AGC. The system is also furnished with automatic frequency control (AFC) which performs two operations during each cycle of the modulation signal: adjustment of the lower frequency and trimming of the upper frequency. The wideband frequency multiplier comprises 3 diode frequency doublers with automatically tuned h.f. amplifiers and a wideband servoamplifier tuned to the 8th harmonic (0.59 - 8.51 Mc/s) by means of a phase-type automatic tuning system.

Card 2/3

S/120/62/000/004/013/047

E192/E382

There are 1 figure and 1 table.

Precision driver generator

ASSOCIATION:

Radiotekhnicheskiy institut GKAE (Radio-engineering Institute, GKAE)

SUBMITTED:

April 5, 1962 ·

Card 3/3